Curriculum Mapping for South Dakota Essential Core Standards

X = Not taught
I = Introduced
R = Reinforced
P = Proficient/practiced

Grade 11 Math – Algebra
Includes core standards for grades 9-10

Indicator 1: Analyze procedures to transform algebraic expressions.			
Standard	**Curriculum Map (X, I, R, P)**	**Resources**	**Actions Needed**
1. (9) analyze various expressions which emphasize the distributive property, eg. $3(x^2+2)$; $(x+1)(x-2x+3)$			
2. (10) select, justify and apply a technique to solve quadratic equations over the set of complex numbers and interpret the results graphically.			
Indicator 2: Use a variety of algebraic concepts and methods to solve problems.			
Standard	**Curriculum Map (X, I, R, P)**	**Resources**	**Actions Needed**
1. (9) determine equations for lines meeting certain conditions.			
2. (10) determine solutions of systems of equations in multiple ways.			

Grade 11 Math – Algebra continued
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Indicator 3: Analyze and describe situations that involve one or more variables.			
Standard	**Curriculum Map (X, I, R, P)**	**Resources**	**Actions Needed**
1. (9) create algebraic models and formulas to represent problem situations.			